



This is a guide to replacing the CO sensor for your WEN 56480iX or DF480iX inverter generator. This guide is best used in conjunction with the generator's manual, included as a physical copy with your unit and available on the WEN website page for the 56480iX ([link here](#)) or DF480iX ([link here](#)) by clicking "Click here to view the product manual".

If at any point you need assistance, have questions, or want to order parts, call WEN customer service at 1-847-429-9263, M-F, 8-5 Central Time, or email techsupport@wenproducts.com.

If replacing any parts, use only genuine replacement parts purchased from WEN Products. Use of replacement parts not sold by WEN Products will void your warranty and could lead to decreased performance or injury.

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TOOLS NEEDED

- Phillips screwdriver
- Flat-head screwdriver (optional)
- Rubber mallet (optional)
- Wire cutters (DF480iX only)

ENSURE THAT THE ENGINE IS COOL BEFORE BEGINNING ANY MAINTENANCE OR REPAIR WORK. FOLLOW ALL SAFETY PROCEDURES LISTED IN YOUR OWNER'S MANUAL. USE COMMON SENSE. AVOID INJURY.

NOTE: the photos in this guide were taken on model DF480iX. The procedure is the same for model 56480iX, but the photos may differ slightly.

REMOVING THE OLD CO SENSOR

1. Make sure the engine is cool, and the 4-in-1 switch is set to OFF, before beginning work. Disconnect the battery quick-connectors. Disconnect the spark plug boot.
2. Use the Phillips screwdriver to remove the 4 screws shown in Fig. 1 below.



Fig. 1: Remove these screws.

3. Use the Phillips screwdriver to remove the screw shown below from above the recoil starter (Fig. 2).



Fig. 2: Remove this screw.

4. Pull off the two side panels. The generator should look as shown in Fig. 3 below.

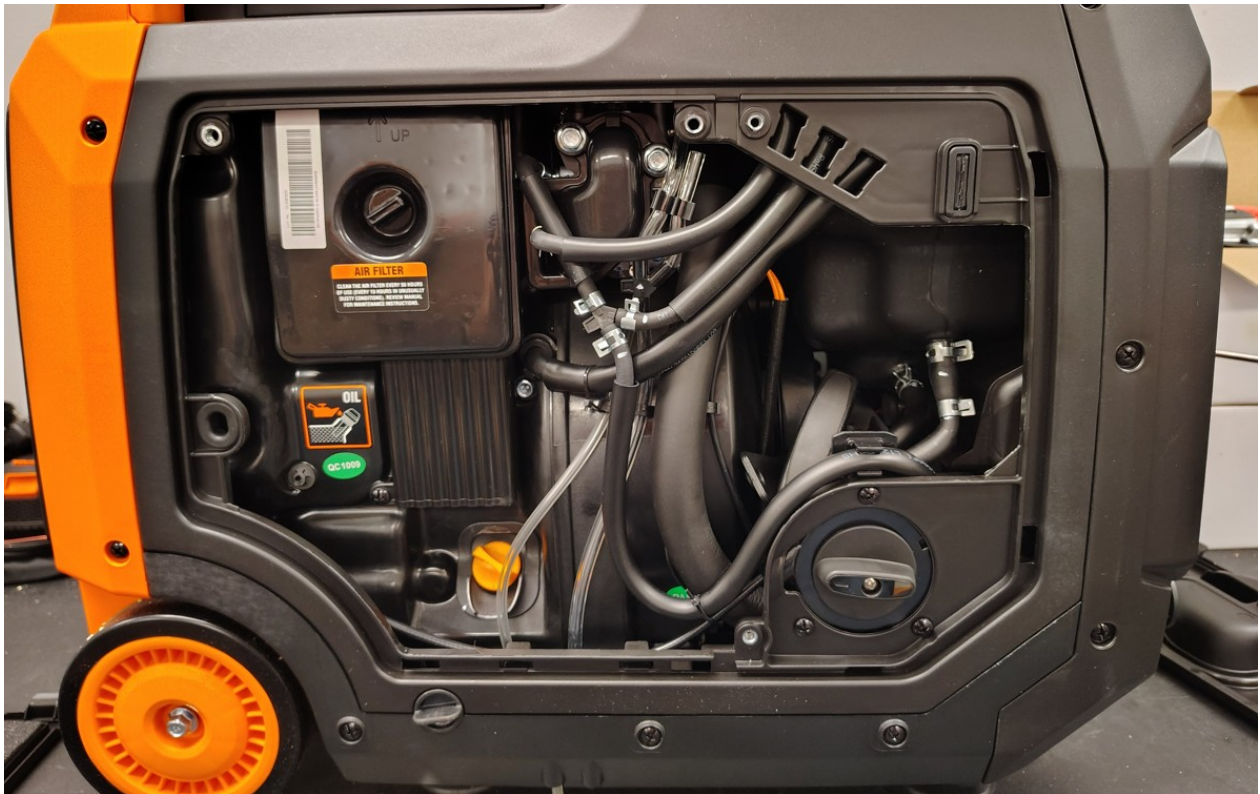


Fig. 3: Side panels removed.

5. Use the Phillips screwdriver to remove the 10 screws indicated in Fig. 4.

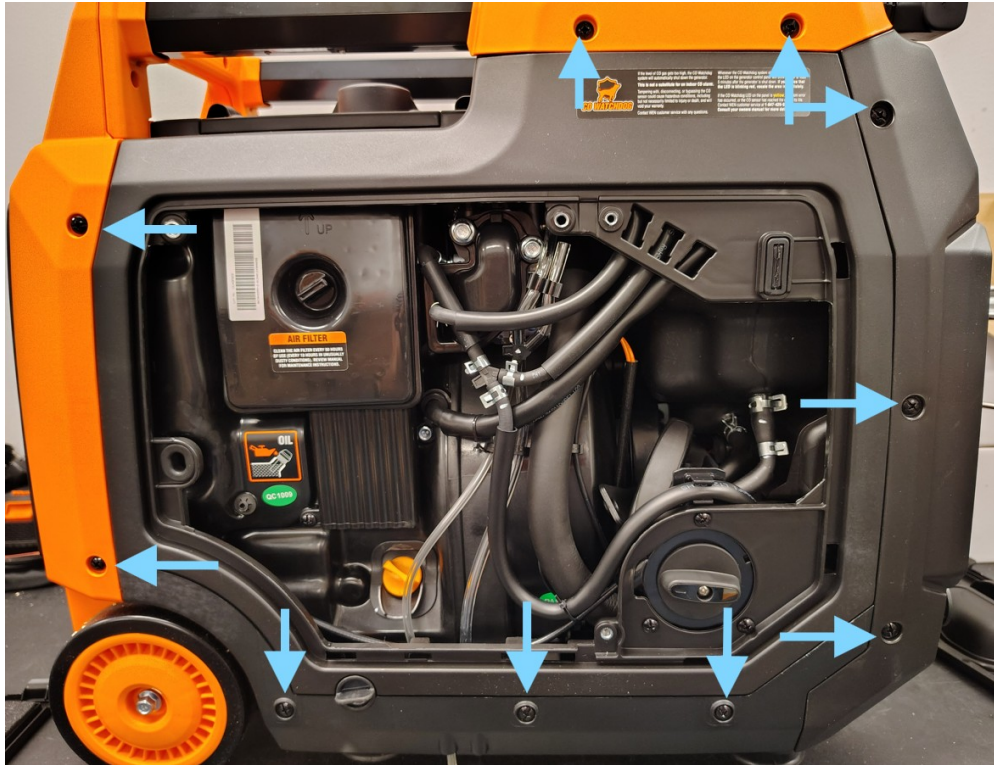


Fig. 4: Remove these screws.

6. On the other side of the generator, use the Phillips screwdriver to remove the 7 screws indicated in Fig. 5.



Fig. 5: Remove these screws.

7. On top of the generator, remove the 4 screws indicated in Fig. 6. Then remove the spark plug cover.



Fig. 6: Remove these 4 screws.

8. Unscrew the fuel tank cap and work the cap retainer off the neck of the fuel tank (Figs. 7, 8).



Fig. 7: Retainer installed on fuel tank neck.



Fig. 8: Retainer removed.

9. Remove the fuel tank nut from the fuel tank neck. It may be tight and hard to unscrew (lefty-loosey). If that is the case, use a flat-head screwdriver and mallet to **gently** tap it loose (Figs. 9, 10).



Fig. 9: Removing fuel tank nut.



Fig. 10: Fuel tank nut removed.

10. Remove the upper cover from the generator (Fig. 11).



Fig. 11: Removing the upper cover.

11. **Model DF480iX only:** above the fuel knob, remove the fuel line from the clip in the housing (Fig. 12).



Fig. 12: Remove the fuel line from the clip.

12. **Model DF480iX only:** use the wire cutters to cut the zip tie off the fuel line and choke cable. **Be careful not to cut the fuel line or cable.** (Fig. 13)



Fig. 13: Cut the zip tie.

13. At the rear of the generator, remove the 2 screws indicated in Fig. 17, as well as the 2 indicated in Fig. 18.



Fig. 14: Remove these 2 screws.



Fig. 15: Remove these 2 screws.

14. Remove the rear panel from the generator (Fig. 16).

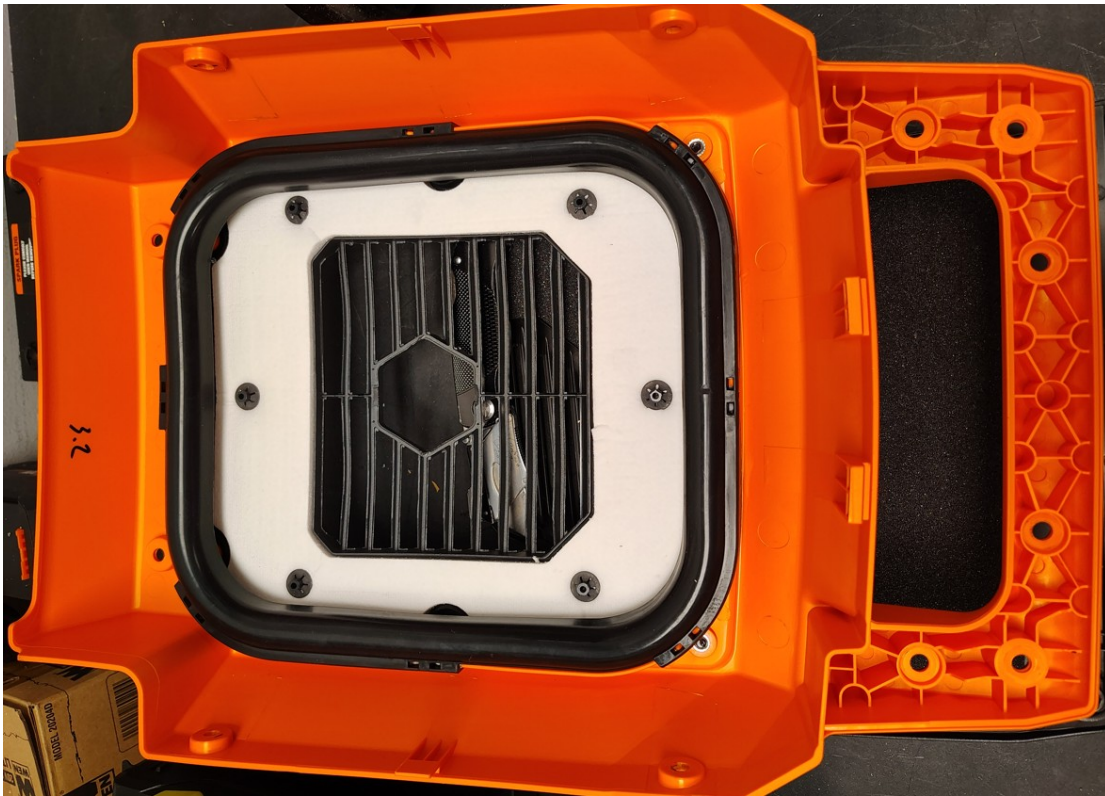


Fig. 16: Remove the rear panel.

15. Remove the 5 Phillips screws shown in Figs. 17 – 21 from the housing.
 1. There is 1 at the rear (it was previously covered by the rear panel – Fig. 17).
 2. There are 2 on either side of the spark plug cover – Figs. 18 – 19.
 3. There are 2 on either side of the fuel tank – Figs. 20 – 21.



Fig. 17: Remove this screw.

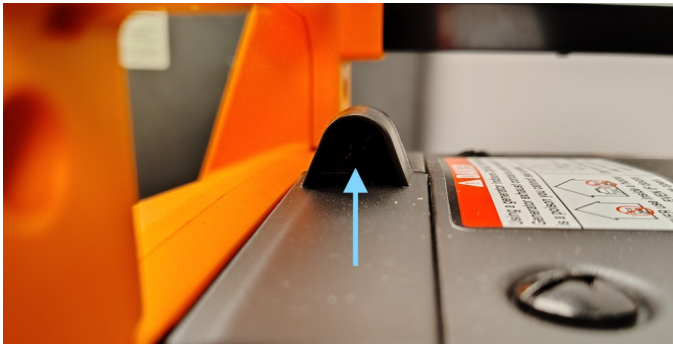


Fig. 18: Remove this screw.

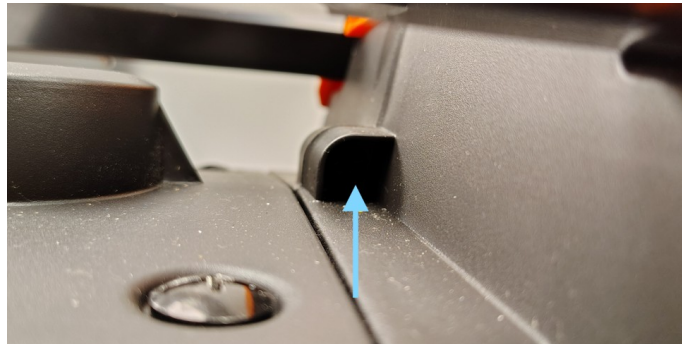


Fig. 19: Remove this screw.

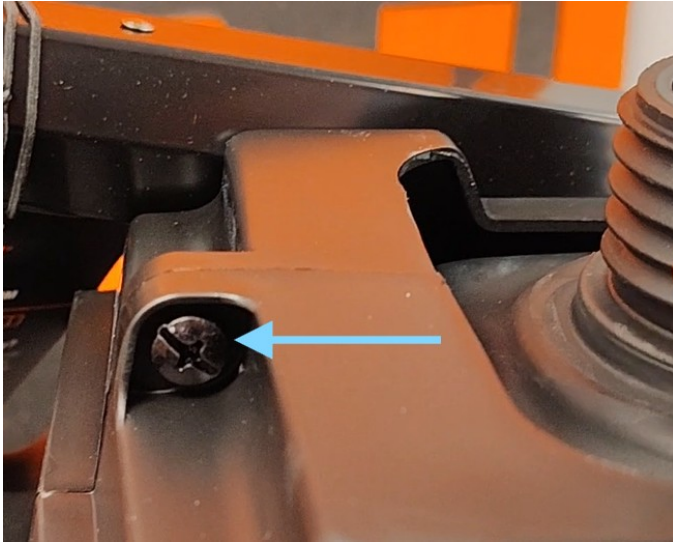


Fig. 20: Remove this screw.

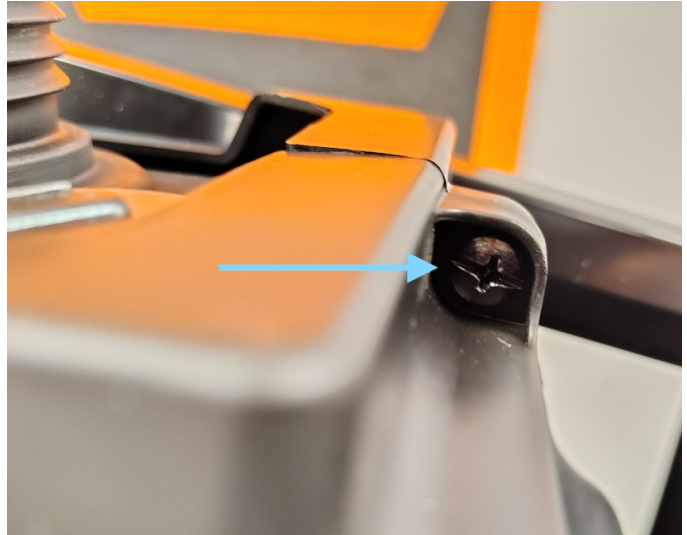


Fig. 21: Remove this screw.

16. Gently pull up and out on the housing to separate it from the rest of the generator (Fig. 22)

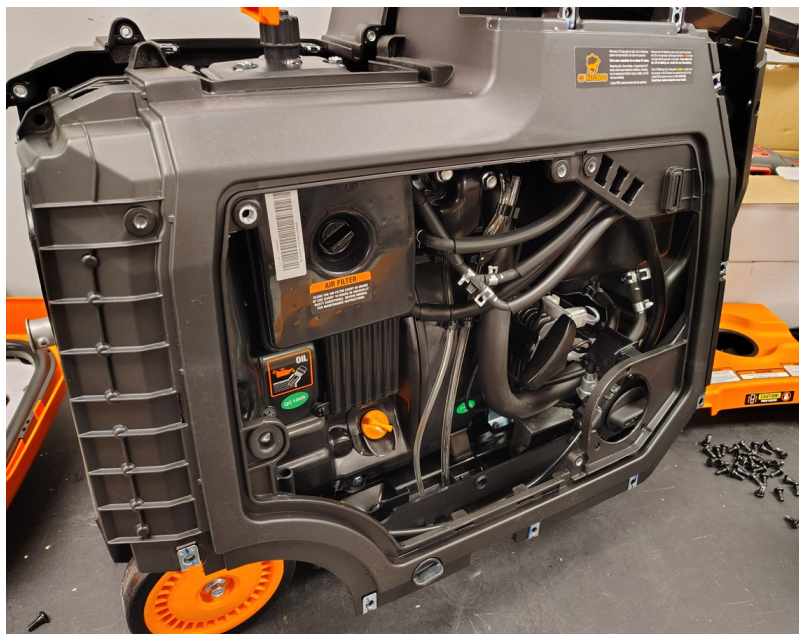


Fig. 22: Housing separated from the rest of the generator.

17. The CO sensor is located here, behind the 4-in-1 knob (Figs. 23 – 24).

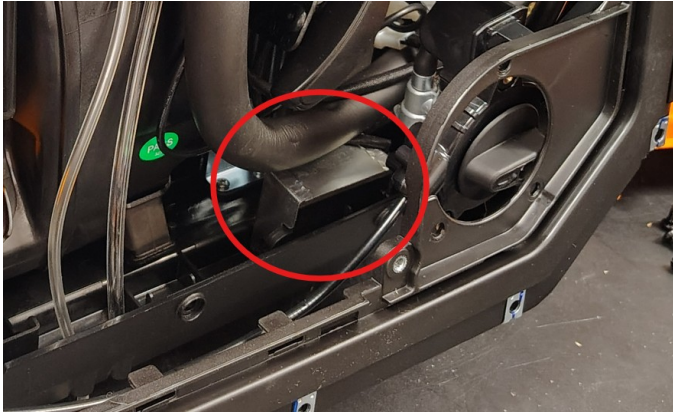


Fig. 23: CO sensor location.

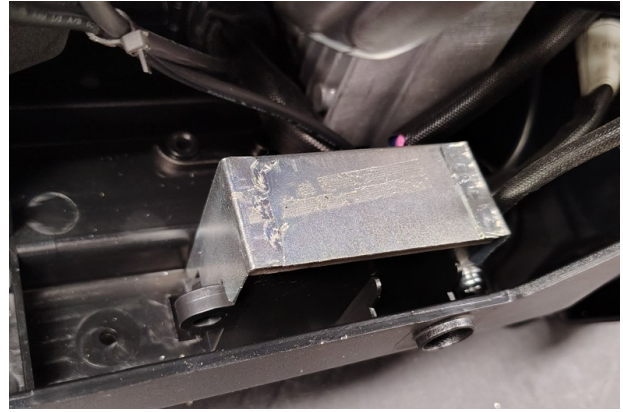


Fig. 24: CO sensor closeup.

18. The CO sensor can be pulled straight up, off two snap-fit tabs. If the tabs are stuck, gently push them with a flat-head screwdriver. Once this is done, remove the Phillips screw from the right side of the sensor (Fig. 25).



Fig. 25: CO sensor pulled off tabs. Phillips screw indicated by arrow.

19. Press the release tab on the wiring harness, located behind the CO sensor housing (Fig. 26). Disconnect the wiring harness, then remove the CO sensor from the housing (Fig. 27).

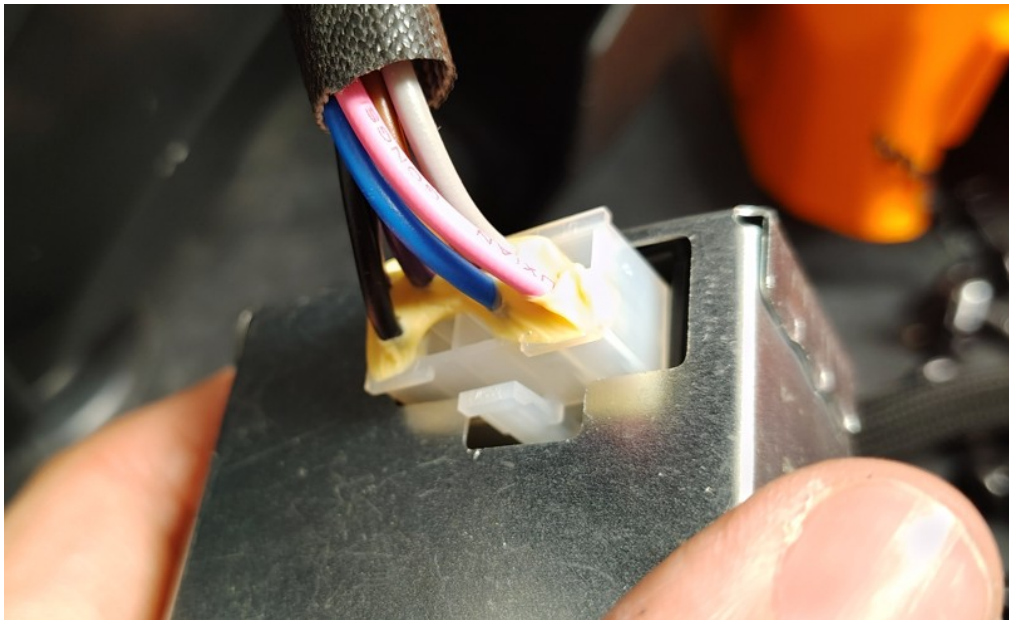


Fig. 26: CO sensor wiring harness.

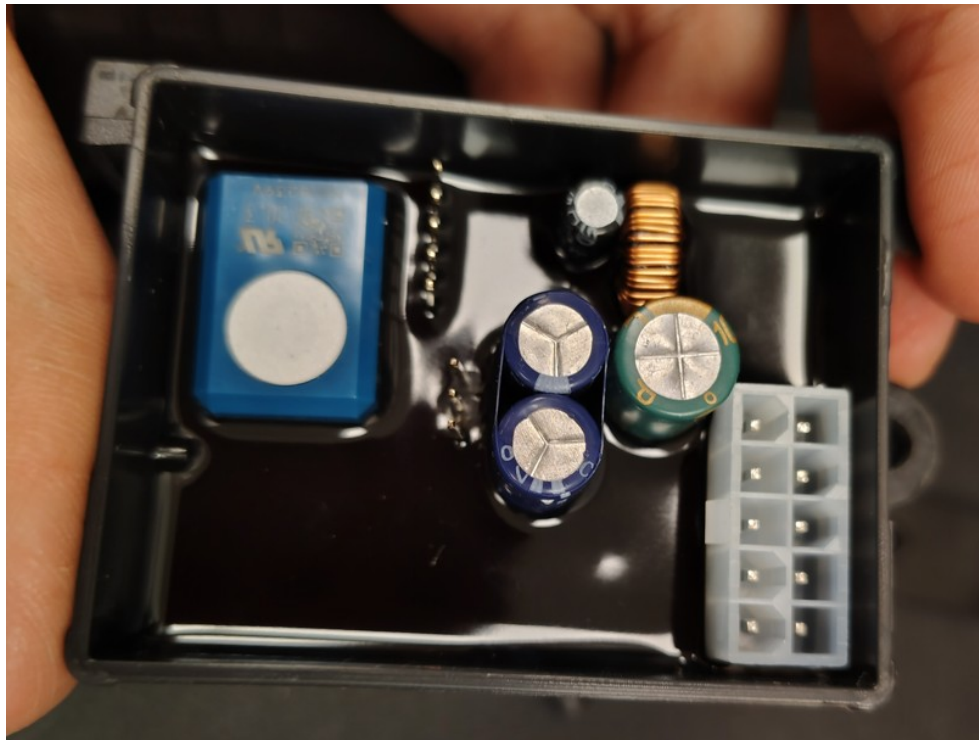


Fig. 27: CO sensor removed.

INSTALLING THE NEW CO SENSOR

20. Follow the previous instructions in reverse to install the new CO sensor. Keep the following in mind:
 1. Don't forget to reconnect the CO sensor wiring harness.
 2. When reinstalling the CO sensor in the housing, make sure to reconnect the ground wire between the CO sensor and the metal CO sensor housing (Fig. 28). Secure it with the Phillips screw that you removed in step 18 of disassembly.
 3. Model DF480iX only: don't forget to reinstall the fuel line in the clip on the housing (step 11 of disassembly).

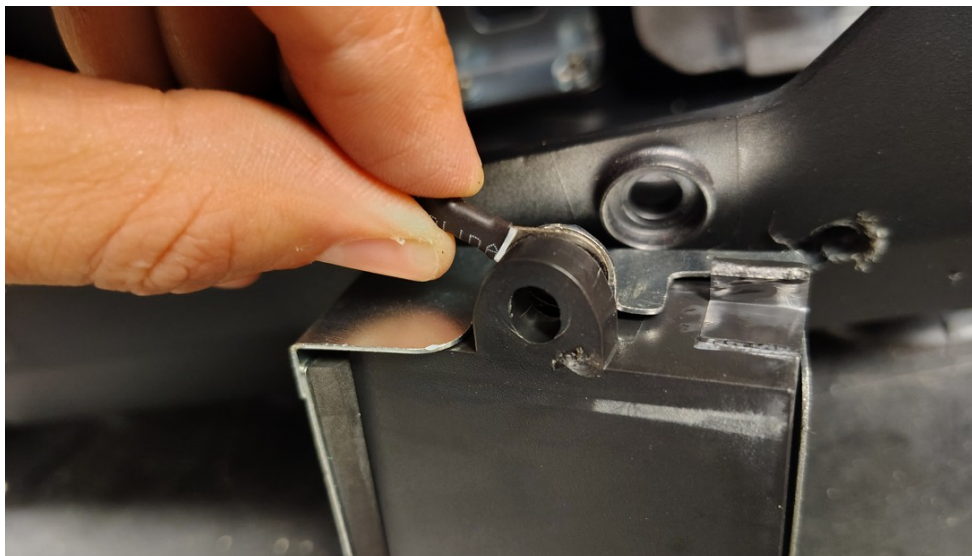


Fig. 28: Reconnect the ground wire between the sensor and housing.

QUESTIONS? PROBLEMS?

Contact WEN Customer Service at 1-847-429-9263, M-F, 8-5 CST, or email techsupport@wenproducts.com